



# 磷脂酰肌醇结合网格蛋白组装蛋白抗体

产品货号 : mlR11665

英文名称 : PICALM

中文名称 : 磷脂酰肌醇结合网格蛋白组装蛋白抗体

别 名 : CALM; Clathrin assembly lymphoid myeloid leukemia; Clathrin assembly lymphoid myeloid leukemia protein; CLTH; LAP; Phosphatidylinositol-binding clathrin assembly protein; PICALM\_HUMAN; PICALM.

研究领域 : 神经生物学 信号转导 Alzheimer's

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Dog, Cow, Horse, Zebrafish, Sheep,

产品应用 : WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500  
(石蜡切片需做抗原修复)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

分子量 : 71kDa

细胞定位 : 细胞浆 细胞膜

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human PICALM/CALM:251-350/652

亚 型 : IgG



**纯化方法** : affinity purified by Protein A

**储存液** : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件** : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed** : PubMed

**产品介绍** : This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10;11)(p13;q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

#### **Function:**

Assembly protein recruiting clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. May be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. Involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction.

#### **Subunit:**

Binds clathrin; involves primarily the C-terminal sequences, but the full-length protein is required for full binding capacity. Binds phosphatidylinositol 4,5- bisphosphate.

#### **Subcellular Location:**

Membrane, clathrin-coated pit. Golgi apparatus. Cytoplasmic vesicle, clathrin-coated vesicle. Note=Colocalized



with clathrin in the Golgi area.

**Tissue Specificity:**

Expressed in all tissues examined.

**DISEASE:**

Note=A chromosomal aberration involving PICALM is found in diffuse histiocytic lymphomas. Translocation t(10;11)(p13;q14) with MLLT10.

**Similarity:**

Contains 1 ENTH (epsin N-terminal homology) domain.

**SWISS:**

Q13492

**Gene ID:**

8301

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

